

## ABSTRACT

The concentration of the urea of a urea solution is identified accurately and immediately. A pulse voltage is applied for a predetermined time to a urea concentration  
5 identifying sensor heater including a heater and an identifying liquid temperature sensor provided in the vicinity of the heater, a urea solution to be identified is heated by the heater, and the concentration of the urea is identified with a voltage output  
difference  $V_0$  corresponding to a temperature difference between  
10 an initial temperature and a peak temperature in the identifying liquid temperature sensor.